

## OPTICAL DETECTION METHOD FOR PROTEIN MICROARRAY

### ABSTRACT OF THE DISCLOSURE

An optical detection method for a protein microarray is disclosed. The optical detection method for the protein microarray includes steps of providing a capture molecule, recognizing a biomolecule on the protein microarray via the capture molecule, providing a primer to connect with the capture molecule, amplifying a signal of the primer on the capture molecule via a rolling circle amplification system, and detecting the amplified signal via a nanoparticle probe.